APPENDIX OF PENDING CLAIMS

2. (Amended) A method according to claim 7 further comprising adding a phosphoramidite group to the 3' position of said 2' modified nucleoside.

3. (Amended) A method according to claim 2 further comprising incorporating said phosphoramidite 2' modified nucleoside into a growing nucleic acid.

4. (Amended) A method according to claim 7 wherein said nucleoside is a naturally occurring nucleoside.

5. (Amended) A method according to claim 7 wherein said nucleoside is a nucleoside analog.

6. (Amended) A method according to claim 7 wherein said activating agent is [carbonydimidazole] carbonyldimidazole.

7. A method for making a 2' modified nucleoside comprising a covalently attached electron transport moiety, said method comprising:

a) adding an anhydro-nucleoside and a electron transfer moiety comprising a primary amine in the presence of an activation agent to form an activated anhydro-nucleoside;

b) treating said anydronucleoside with a cyclization agent to form a cyclized intermediate; and

c) treating said cyclized intermediate with a base to form said 2' modified nucleoside.

8. A method according to claim 7 wherein said electron transfer moieties are transition metal complexes.

9. A method according to claim 8 wherein said electron transfer moieties are selected from the group consisting of ruthenium, rhenium, osmium, platinium, cobalt, and iron.

10. A method for making a 2' modified nucleoside comprising a covalently attached polydentate ligand, said method comprising:

a) adding an anhydro-nucleoside and a polydentate ligand comprising a primary amine in the presence of an activation agent to form an activated anhydro-nucleoside;

b) treating said anydronucleoside with a cyclization agent to form a cyclized intermediate; and

c) treating said cyclized intermediate with a base to form said 2' modified nucleoside.

11. A method according to claim 10 wherein the coordination atom of said polydentate ligand is selected from the group consisting of nitrogen, oxygen, sulfur, carbon and phosphorus.

12. A method according to claim 10 wherein said polydentate ligand is a organometallic ligand.

13. A method according to claim 12 wherein said organometallic ligand is ferrocene.

14. A method according to claim 12 wherein said organometallic ligand is a metallocene.